

Cox

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent No. 7,123,598

) Serial No. 09/897,151

Inventor(s): Hemant M. CHASKAR

) Filed: June 29, 2001

Issue Date: October 17, 2006

) Attorney Docket No. 005288.00012

For: EFFICIENT QOS SIGNALING FOR MOBILE IP USING RSVP FRAMEWORK

REQUEST FOR CERTIFICATE OF CORRECTION

U.S. Patent and Trademark Office
Customer Service Window
Randolph Building, Mail Stop: Certificate of Correction Branch
401 Dulany Street
Alexandria, VA 22314

Certificate

JAN 23 2007

of Correction

Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322, this is a request for the issuance of a Certificate of Correction in the above-identified patent. Two (2) copies of PTO Form 1050 are appended. The complete Certificate of Correction involves one page.

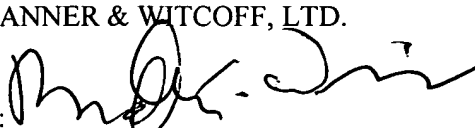
The mistakes identified in the appended Form occurred through no fault of the Applicant, as clearly disclosed by the records of the application, which matured into this patent. Enclosed for your convenience is the relevant portion of the Examiner's Amendment enclosed with the Notice of Allowance of November 22, 2005.

Issuance of the Certificate of Correction containing the corrections is respectfully requested. Since these changes are necessitated through no fault of the Applicant, no fee is believed to be associated with this request. Nonetheless, should the Patent and Trademark Office determine that a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

BANNER & WITCOFF, LTD.

By:


Bradley C. Wright
Registration No. 38,061

Dated: January 19, 2007

1001 G Street, N.W. (11th Fl.)
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JAN 23 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.: 7,123,598
DATED: October 17, 2006
INVENTOR(S): Hemany M. CHASKAR

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 7, Claim 1, Line 48:

Please replace "messages only" with --messages for upstream data only--

In Column 8, Claim 5, Line 43:

Please replace "message from" with --message for downstream data from--

In Column 9, Claim 13, Line 59:

Please replace "a downsteam stream" with --downstream data stream--

Mailing Address of Sender:

Banner & Witcoff, Ltd.
11th Floor
1001 G Street, N.W.
Washington, DC 20001-4597

FORM PTO 1050 (Rev.2-93)

U.S. PAT. NO 7,123,598

No. of add'l copies
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□

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UNITED STATES PATENT AND TRADEMARK OFFICE
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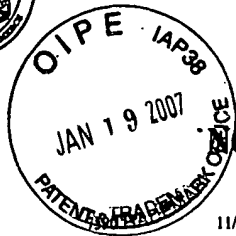
FORM PTO 1050 (Rev.2-93)

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NOTICE OF ALLOWANCE AND FEE(S) DUE

22907

11/22/2005

BANNER & WITCOFF
1001 G STREET N W
SUITE 1100
WASHINGTON, DC 20001

EXAMINER

MOORE, IAN N

ART UNIT

PAPER NUMBER

2661

DATE MAILED: 11/22/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/8974151	06/29/2001	Hemant M. Chaskar	005288.00012	1440

TITLE OF INVENTION: EFFICIENT QOS SIGNALING FOR MOBILE IP USING RSVP FRAMEWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	02/22/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

JAN 23 2007

Notice of Allowability

Application No.

09/897,151

Applicant(s)

CHASKAR, HEMANT M.

Examiner

Ian N. Moore

Art Unit

2661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/26/2005.
2. ☒ The allowed claim(s) is/are 1, 3-7, and 9-32 which have been renumbered as 1-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 11-1-05.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

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DETAILED ACTION

Drawings

1. The drawings (FIG. 5-7) were received on 7/6/2005. These drawings are accepted by the examiner.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Steve S. Chang on October 25, 2005.

The application has been amended as follows:

- Claim 1, line 5, "for upstream data" has been inserted between "PATH message" and "from the mobile node"
- Claim 1, line 8, "for upstream data" has been inserted between "RESV message" and "from the correspondent node"
- Claim 1, line 10, "for upstream data" has been inserted between "messages" and "only between intermediate nodes"
- Claim 1, line 13, "for downstream data" has been inserted between "PATH message" and "from the correspondent node"

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- Claim 1, line 16, **“for downstream data”** has been inserted between **“RESV message”** and **“from the mobile node”**
- Claim 1, line 18, **“for downstream data”** has been inserted between **“messages”** and **“only between intermediate nodes”**
- Claim 1, line 24, **“, wherein REFRESH messages are exchanged between the intermediate nodes, wherein the mobile node is attached to a first node of the intermediate nodes by a wireless link, and wherein subsequent REFRESH message do not traverse the wireless link”** has been inserted after **“the handover”**
- Claim 2 is canceled.
- Claim 4, line 2, **“wherein the mobile node is attached to a first node of the intermediate nodes by a wireless link, and”** has been removed between **“to claim 1,”** and **“wherein initial PATH messages”**
- Claim 6, line 5, **“for upstream data”** has been inserted between **“PATH message”** and **“from the mobile node”**
- Claim 6, line 8, **“for upstream data”** has been inserted between **“RESV message”** and **“from the correspondent node”**
- Claim 6, line 15, **“for downstream data”** has been inserted between **“PATH message”** and **“from the correspondent node”**
- Claim 6, line 18, **“for downstream data”** has been inserted between **“RESV message”** and **“from the mobile node”**
- Claim 6, line 23, **“, wherein a proxy REFRESH interception function for upstream data responds to the PATH REFRESH message by sending RESV REFRESH message on**

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- behalf of the correspondent node, if the latter is attached using the further wireless link; and does not allow PATH REFRESH message to be transmitted over the further wireless link" has been inserted after "do not traverse the wireless links"
- Claim 8 is canceled.
 - Claim 15, line 5, "for upstream data" has been inserted between "PATH message" and "from the mobile node"
 - Claim 15, line 8, "for upstream data" has been inserted between "RESV message" and "from the correspondent node"
 - Claim 15, line 13, "for downstream data" has been inserted between "PATH message" and "from the correspondent node"
 - Claim 15, line 16, "for downstream data" has been inserted between "RESV message" and "from the mobile node"
 - ~~Claim 15, line 18, "a downstream"~~ has been replaced with "downstream data"
 - Claim 15, line 19, "performing proactive RSVP signaling for upstream data at the time of handover of mobile node from one access router to another;" has been inserted between "intermediate nodes" and "transferring PATH state block"

Response to Arguments

3. Applicant's arguments, see pages 13-18, filed 7/26/2005, with respect to amended claims 1, 3-7, and 9-32 have been fully considered and are persuasive. The rejections of claims 1, 3-7, and 9-32 have been withdrawn.

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